

### Abstract Of The Disclosure

A protective layer [(7)] which is relatively permeable for CO<sub>2</sub> and relatively impermeable for SO<sub>2</sub> is designed so as to yield a reduced penetration time for CO<sub>2</sub> molecules. The protective layer [(7)] is composed of a gas-permeable carrier [(10)] made of a material which is resistant to sulfuric acid media such as SO<sub>2</sub> and SO<sub>3</sub>, has a surface [(8)] that can be exposed to a gas and is provided with an oxidizing agent whose oxidation potential is sufficient to oxidize SO<sub>2</sub>.

10 [(Figure 1)]